



Department of Energy

Brookhaven Site Office
P.O. Box 5000
Upton, New York 11973

MAY 12 2005

Mr. Robert McNair
Brookhaven Science Associates, LLC
Brookhaven National Laboratory
Upton, NY 11973

Dear Mr. McNair:

SUBJECT: ASSESSMENT OF BROOKHAVEN SCIENCE ASSOCIATES INDUSTRIAL HYGIENE
EXPOSURE MONITORING PROGRAM

The Department of Energy Brookhaven Site Office will be conducting an assessment of BSA's Industrial Hygiene Exposure Monitoring Program. A 4-person team will be conducting this assessment the week of June 6, 2005, as described in the enclosed assessment plan. Please coordinate and provide Maria Dikeakos with the resource needs that are identified in the assessment plan by May 27, 2005.

If you should have any questions, please contact Maria Dikeakos of my staff at (631) 344-3950. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Desmarais", is written over a horizontal line.

Robert Desmarais, Director
Operations Management Division

Enclosure:
As Stated

cc: T. McDermott, CH, w/encl.
M. Dikeakos, BHSO, w/encl.

BHSO IH Exposure Monitoring Assessment Plan

Scope:	BHSO will conduct an assessment of BNL's Industrial Hygiene exposure assessment programs and processes. This assessment will focus on the effectiveness and integration of this critical IH function into work planning, especially as it relates to hazard analysis and work controls. The assessment will look at routine work activities and decontamination and demolition work that have the potential to expose workers to regulated chemicals and other non-radiological hazardous substances.		
Assessment Team:	Lead Assessor:	Tom McDermott, IH/CH Maria Dikeakos, CIH/BHSO Dave Weitzman, CIH/EH-52 Dean Decker, CIH/AL	
Assessment Plan:	<p>The assessment plan will involve document reviews and field observations of work will as well as interviews of the Industrial Hygiene staff and facility personnel responsible for monitoring chemicals usage in experimental and facility work. Interviews will also be conducted of personnel responsible for work planning and approval of safe work permits. Facility workers, subcontractors and scientific staff will also be interviewed. On conclusion of the on-site interview schedule and field work, a final report will be issued.</p> <p>The assessment will be focused on various work activities and how effectively the industrial hygiene function, specifically exposure assessment and monitoring is integrated into work planning and hazard control. An emphasis will be given to the following activities and/or hazards:</p> <ul style="list-style-type: none">• Experimental use of hazardous chemicals,• Construction, decontamination and demolition work,• Fabrication, welding, cutting and brazing, and• Vehicle Maintenance.		
Schedule:	The on-site portion of the review, which primarily involves staff and management interview and field observations, will be conducted from June 6 through June 10, 2005. A final report will be issued prior to June 24th, 2005.		

Assessment Plan (Example 2)

Evaluation Criteria:

- DOE O 440.1A, Worker Protection Management for DOE Federal and Contractor Employees
- DOE P 450.4, Safety Management System Policy
- OSHA, 29 CFR Part 1910, Occupational Safety and Health Standards
- OSHA, 29 CFR Part 1926, Safety and Health Regulations for Construction
- BNL Standards Based Management System (SBMS)
 1. Work Planning and Control for Experiments and Operations
 2. Worker Safety and Health (Subject Matter Areas)
 - 2.1. Working with Chemicals
 - 2.2. Personal Protective Equipment
 - 2.3. Noise and Hearing Conservation
 - 2.4. Lead

Resource Needs:

- Briefing by Industrial Hygiene on the organizational structure and how industrial hygiene is integrated into work planning, especially as it relates to exposure assessments, hazard analysis and identification of appropriate work controls.
- Selected work packages to include work permits
- Interview schedule of selected management and staff
- Organizational charts
- Point of Contact for each division/department
- Schedule of ongoing facility and vehicle maintenance work
- Access to division procedures and other work documents, and training records
- Access to exposure monitoring records